

10/589495

JP6 Rec'd PCT/PTO 15 AUG 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q96529

Kenji MIYAZAKI, et al.

PCT/JP2004/012107  
-filed August 24, 2004

Appln. No.: Not assigned yet

Confirmation No.: Not assigned yet

Group Art Unit: Not assigned yet

Filed: August 15, 2006

Examiner: Not assigned yet

For: METHOD OF ANALYZING C-TERMINAL AMINO ACID SEQUENCE OF PEPTIDE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Application Publication No. 2003-279581, published October 2, 2003,  
along with English-Language Abstract;

2. Japanese Patent Application Publication No. 10-293130, published November 4, 1998,  
along with English-Language Abstract;

INFORMATION DISCLOSURE STATEMENT  
New U.S. National Stage Entry of PCT/JP2004/012107

3. Kenji Miyazaki et al. "C-Terminal Sequencing Method for Proteins in Gel by The Reaction of Acetic Anhydride with Perfluoric Acid", Seikagaku Vol. 75, No. 8, page 924, (2003);

4. David H. Hawke et al. "Microsequence Analysis of Peptides and Proteins: Trimethylsilylisothiocyanate as a Reagent for COOH-Terminal Sequence Analysis" ANALYTICAL BIOCHEMISTRY, 166, Pages 298 to 307, (1987);

5. Akira Tsugita et al. "C-Terminal Sequencing of Protein, A Novel Partial Acid Hydrolysis and Analysis by Mass Spectrometry" Research Institute for Biosciences, Science University of Tokyo, January 23, 1992, pages 43 to 48;

6. Akira Tsugita et al. "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as Revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation", The Chemical Society of Japan, Chemistry letters, pp. 235-238, 1992;

7. Keiji Takamoto et al. "Carboxy-Terminal Degradation of Peptides using Perfluoroacyl Anhydrides A C-Terminal Sequencing Method" Research Institute for Biosciences, Department of Pharmacology, Science University of Tokyo, Japan, pp. 228, 362-372, (1995).

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

10/589495

APC Rec'd PCT/PTO 15 AUG 2006

INFORMATION DISCLOSURE STATEMENT  
New U.S. National Stage Entry of PCT/JP2004/012107

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants state that references 1 through 3 are cited within the specification beginning at page 5, line 2. Applicants also enclose herewith a copy of an International Search Report citing documents 1 through 3, indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Respectfully submitted,



Howard L. Bernstein  
Registration No. 25,665

Date: August 15, 2006

<b>Substitute for Form 1449 A &amp; B/PTO</b>  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	Not assigned yet
				Confirmation Number	Not assigned yet
				Filing Date	August 15, 2006
				First Named Inventor	Kenji MIYAZAKI
				Art Unit	Not assigned yet
				Examiner Name	Not assigned yet
Sheet	1	of	1	Attorney Docket Number	Q96529

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2003-279581	A	10-02-2003		
		JP	10-293130	A	11-04-1998		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Kenji Miyazaki et al. "C-Terminal Sequencing Method for Proteins in Gel by The Reaction of Acetic Anhydride with Perfluoric Acid", Seikagaku Vol. 75, No. 8, page 924, (2003).	
		David H. Hawke et al. "Microsequence Analysis of Peptides and Proteins: Trimethylsilylisoithiocyanate as a Reagent for COOH-Terminal Sequence Analysis" ANALYTICAL BIOCHEMISTRY, 166, Pages 298 to 307, (1987).	
		Akira Tsugita et al. "C-Terminal Sequencing of Protein, A Novel Partial Acid Hydrolysis and Analysis by Mass Spectrometry" Research Institute for Biosciences, Science University of Tokyo, January 23, 1992, pages 43 to 48.	
		Akira Tsugita et al. "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as Revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation", The Chemical Society of Japan, Chemistry letters, pp. 235-238, 1992.	
		Keiji Takamoto et al. "Carboxy-Terminal Degradation of Peptides using Perfluoroacyl Anhydrides A C-Terminal Sequencing Method" Research Institute for Biosciences, Department of Pharmacology, Science University of Tokyo, Japan, pp. 228, 362-372, (1995).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.